Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/24/2017 11:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124678	-1	1.67	124562	1.67
Blue	F	SSC	125000	124190	-1	2.50	124611	2.31
Blue	E	FITC	21625	21133	-3	2.29	936	9.67
Blue	D	PE	26832	26309	-2	1.90	944	9.38
Blue	B	PerCP-Cy5-5	48027	47333	-2	3.20	1360	16.51
Blue	A	PE-Cy7	40971	40520	-2	4.85	629	33.78
Red	C	APC	49746	49051	-2	2.92	2840	9.33
Red	A	APC-Cy7	53615	52568	-2	2.93	1088	11.31
Violet	B	V450	14488	13945	-4	5.56	668	9.59
Violet	A	V500	55123	53427	-4	5.42	2360	7.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19972	5.66	602	4	N/A	N/A	Pass
Blue	F	SSC	61835	1.50	532	-2	N/A	N/A	Pass
Blue	E	FITC	107	38.44	532	-4	0.0242	287	Pass
Blue	D	PE	208	27.39	527	-4	0.1722	218	Pass
Blue	B	PerCP-Cy5-5	216	42.75	624	-5	0.0105	64	Pass
Blue	A	PE-Cy7	70	111.89	675	-6	0.0131	15	Pass
Red	C	APC	335	26.49	588	-6	0.0210	36	Pass
Red	A	APC-Cy7	119	41.34	573	-7	0.0055	1826	Pass
Violet	B	V450	81	40.85	467	-4	0.0494	1841	Pass
Violet	A	V500	172	21.38	492	-4	0.0184	540	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.59	-31.14	0.83
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.67	13.27 - 19.91	N/A	N/A	31.22	31.70	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9765

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments